

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) A low-molecular-weight substance detection instrument employing immunochromatography, comprising  
~~a test sample application section with which a test sample~~  
a reaction product contact section where a reaction product is  
brought into contact, ~~wherein a target substance contained in the~~  
~~test sample brought into contact with the test sample application~~  
~~section is detected by use, as an index, of a labeling substance~~  
~~employed in a label product containing, as a portion thereof, an~~  
~~antibody capable of binding to the target substance contained in~~  
~~the test sample~~ with the detection instrument, said reaction  
product being a product produced by reacting a test sample with a  
label product containing an antibody capable of binding to a  
target substance in a test sample, said target substance being  
selected from the group consisting of dioxins and PCBs;  
an unbound label product capture section which captures  
label product which is not bound to the target substance and  
which does not capture label product which is bound to the target  
substance; and  
a detection section which detects the target substance

bound to the label product.

2-3. (cancel)

4. (currently amended) ~~[[A]]~~ The low-molecular-weight substance detection instrument according to claim 1 ~~[[3]]~~, ~~which comprises the following 1) and 2)~~ further comprising:

~~1) an unbound labeled antibody capturing section containing an element capable of capturing which captures the labeled antibody label product which is not bound to the target substance, the element being bound to the unbound label product capturing capture section; and~~

~~2) a detection section containing a detection element which, when coming into contact with the target substance bound to the labeled antibody label product, causes a visually observable change, in the detection section.~~

5. (currently amended) ~~[[A]]~~ The low-molecular-weight substance detection instrument according to claim 1 ~~[[2]]~~, wherein the ~~detection element contained in the detection section is label product contains a metallic colloidal particles particle or a latex particles particle as a labeling substance.~~

6. (currently amended) ~~[[A]]~~ The low-molecular-weight substance detection instrument according to claim 1 ~~[[2]]~~, wherein ~~[[the]]~~

a detection element contained in the detection section is bound to the detection section.

7. (currently amended) [[A]] The low-molecular-weight substance detection instrument according to claim 1 [[2]], wherein [[the]] an element ~~capable of capturing~~ which captures the label product which is not bound to the target substance, ~~which is contained~~ in the unbound label product ~~capturing~~ capture section, is the target substance or a substance similar to the target substance.

8. (currently amended) [[A]] The low-molecular-weight substance detection instrument according to claim 1 [[2]], wherein ~~each of~~ the unbound label product ~~capturing~~ capture section and the detection section each comprises, ~~as a base,~~ a carrier fixated onto a porous membrane for chromatography.

9-16. (cancel)

17. (new) A method of using a low-molecular-weight substance detection instrument according to claim 1, which comprises  
reacting a test sample with a label product containing an antibody capable of binding to a target substance in a test sample, said target substance being selected from the group consisting of dioxins and PCBs;

applying the resultant reaction product to the reaction

product contact section; and

detecting the target substance bound to the label product in the detection section, to thereby detect the target substance in the test sample.

18. (new) The method according to claim 17, wherein the target substance bound to the label product is detected by using a detection element which, when coming into contact with the target substance bound to the label product, causes a visually observable change.

19. (new) The method according to claim 17, further comprising detecting the label product which is not bound to the target substance.

20. (new) A low-molecular-weight substance detection set, which comprises, as constituent elements,

(1) a low-molecular-weight substance detection instrument according to claim 1, and

(2) a label product containing an antibody capable of binding to a target substance in a test sample, said target substance being selected from the group consisting of dioxins and PCBs.

21. (new) The low-molecular-weight substance detection set

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according to claim 20, wherein the label product is maintained in a dry condition.